

TTM-J4/J5 SERIES USER'S MANUAL
DIGITAL TEMPERATURE CONTROLLER

Thank you for purchasing model TTM-J4/J5 SERIES Digital Temperature Controller.
Please go through this Instruction Manual carefully and use the unit in proper manner.

NOTICE/WARNING BEFORE OPERATION USE

- When having the purchased controller at hand, please be sure that its unit is a correct model (See the following "Model Configuration").
The following symbol marks provide to prevent incident or damage. Kindly refer to the details of the WARNING/CAUTION when using for the first time.

Warning and Caution boxes with symbols and text regarding mishandling and safety.

- Please put this user's manual aside for your reference, when operating the unit.
Copy or reprint of this manual, wholly or partially, is not allowed.
The contents of this manual may change without notice in future.

CAUTION

- For prevention of its malfunction, do not push the front key with sharp points.
Spare terminal must not be used for other purposes.

WARNING

- Make sure the correct wiring connection before turning on electricity.
Mis-wiring may cause malfunction of the unit and fire.
Never modify the unit to prevent damage or incident such as malfunction and fire etc.

PARTS INDICATION

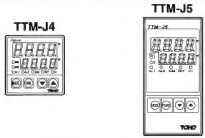


Table with 2 columns: Part Name and Description. Includes PV, SV, OUT1, OUT2, AL1, AL2, RDY, MODE KEY, FUNC KEY, and Up/Down keys.

ACCESSORY & CONFIGURATION

- Please be sure that the unit enclosed in packing carton is a right model before using.
Kindly check the following accessory being contained in that carton box.
Model Configuration

Model Configuration table showing Model, Front Dimensions, CODE, and Output 1 for J4 and J5 models.

- "A" (EV1:Alarm1) and "B" (EV2:Alarm2 or OUT2:Relay contact) equipped as standard specifications.
Output 2 is equally used as EV2, but both not activated simultaneously.

SPECIFICATIONS

Specifications table with rows for Power Supply Voltage, Power Consumption, Memory Element, Input of Sensor, Control Output, Control Method, Operation Environment, Storage Environment, Weight, Location of the Unit Setting, and Installation condition.

CAUTION

CAUTION BEFORE CONTROL

- Setting program is stored after power OFF, as non-volatile memory is equipped with TTM-J4/J5 SERIES controllers for setting storage.
Either thermocouple or R.T.D.(Pt 100/JPt 100) is selectable input type. For suitable application, please select most appropriate input type and adjust input setup.
PID or ON/OFF control is selective for the optimal performance and each detail of features is specified in the table on the right side.

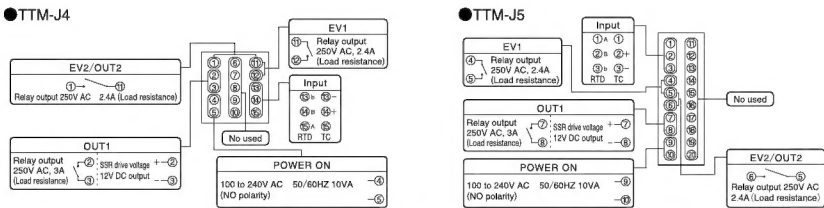
INSTALLATION AND WIRING

Unit : mm

Outer Dimensions and Panel Cutout

Diagrams and table for outer dimensions and panel cutout for TTM-J4 and TTM-J5 models.

Wiring



CAUTION box with text: For prevention of electric shock, please do wiring connection only after turning power off and don't touch the terminal part under power on.

Table comparing PID Control and ON/OFF Control in terms of Merit and Demerit.

※ PID constants are automatically reckoned up to write in, when control begins or SV is altered on self-tuning.



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# OPERATION FLOW AND SETTING MENU

There are menus not displayed by the selected options and models.

